



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/509,948	10/04/2004	Theodore Frederick Simpson	PU020095	3123
24498	7590	09/26/2006	EXAMINER: TRAN, THUY V	
THOMSON LICENSING INC. PATENT OPERATIONS PO BOX 5312 PRINCETON, NJ 08543-5312			ART UNIT 2821	PAPER NUMBER

DATE MAILED: 09/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/509,948

Applicant(s)

SIMPSON, THEODORE
FREDERICK

Examiner

Thuy V. Tran

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on response submitted on 07/25/2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 October 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This is a reply to the Applicant's response submitted on 07/25/2006. In virtue of this response, claims 1-6 remain pending in the instant application.

Drawings Objections

1. The "Replacement Sheets" of drawings including Figs. 3 and 4 submitted on 07/25/2006 are accepted.
2. However, the drawings are still objected to because reference numerals "19" are used in Fig. 6 for both parts/devices ("19" at the lower left-hand corner of Fig. 6 should be deleted). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Doyle et al. (U.S. Patent No. 4,989,092).

With respect to claim 1, Doyle et al. discloses, in Figs. 1(a)-(b), 2(a)-(b), and 3, a video display apparatus comprising (1) an inherent cathode ray tube having a display screen with a shorter first axis (vertical) and a longer second axis (horizontal) perpendicular to said first axis (regarding a television, which is a picture display device suitable for receiving and processing video signal), (2) a first deflection field generator [2, 3, 4] (see Fig. 3) for producing a first deflection field in a beam path of an electron beam of said inherent cathode ray tube at a first deflection frequency (which is $f_1=18.75$ kHz; see col. 9, line 62) to vary a position of said electron beam, alternately, in a direction of said first axis and in a direction that is opposite to said first axis to provide for bi-directional scanning (see Figs. 2(a)-(b)), and (3) a second deflection field generator [5, 5, 6, 7] (see Fig. 3) for producing a second deflection field in a beam path at a second deflection frequency (which is 50 Hz; see col. 10, line 3) lower than said first deflection frequency to vary a position of said electron beam, alternately, in a direction of said second axis and in a direction that is opposite to said second axis (see Figs. 1(a)-(b)).

With respect to claim 2, Doyle et al. discloses, in Figs. 1(a)-(b) and 2(a)-(b), that in normal viewing, said first axis is disposed in a vertical direction with respect to a viewer.

With respect to claim 3, Doyle et al. discloses, in Figs. 1(a)-(b) and 2(a)-(b), that at least one of said first and second deflection generators comprises a deflection winding (which is field deflection coil [7]; see Fig. 3; col. 10, line 10) that produces a magnetic deflection field (since [7] is field deflection coil; see col. 10, line 10).

With respect to claim 4, Figs. 2(a)-(b) of Doyle et al. show that the first deflection field varies in a sinusoidal manner.

Art Unit: 2821

With respect to claim 5, Figs. 1(a)-(b) of Doyle et al. show that the second deflection field includes a portion that varies in a fly-back manner.

With respect to claim 6, Doyle et al. inherently discloses that the display screen has an aspect ratio of 4:3, or one of an aspect ratio of 4 by 3 and an aspect ratio of 16 by 9 as claimed (regarding European television standard, which has a typical aspect ratio of 4:3 approximately at the time of the invention; see prior art of record to U.S. Patent No. 4,631,584).

Citation of relevant prior art

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art Reitmeier (U.S. Patent No. 4,631,584) discloses a television system for generating a composite video signal.

Remarks and conclusion

6. Applicant's arguments with respect to claims 1-6 have been considered but are moot in view of the new ground(s) of rejection.

7. Claims 1-6 are now rejected as being anticipated by the teachings of Doyle et al. (U.S. Patent No. 4,989,092). Please see "Claim Rejections – 35 USC § 102" set forth above in this Office Action for details.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy V. Tran whose telephone number is (571) 272-1828. The examiner can normally be reached on M-F (8:00 AM -4:00 PM).

Art Unit: 2821

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

09/20/2006

A handwritten signature in black ink, appearing to read 'Thuy V. Tran', with a stylized, cursive script.

THUY V. TRAN
PRIMARY EXAMINER